

Patent Claims

1. An air conditioner of an air conditioning system of a motor vehicle, comprising a housing, having a removable housing cover, in which the following components are arranged: at least one blower motor, at least one impeller, at least one blower motor mounting and at least one motor regulator, characterized in that the components are arranged on the housing cover (1), in particular on its inner side (13).
2. The air conditioner as claimed in claim 1, characterized in that the blower motor mounting (2) comprises a vibration isolator (15).
3. The air conditioner as claimed in one of the preceding claims, characterized in that the impeller (5, 5') is assigned a spiral housing (6, 6') of which a section (19, 19') is located on the housing cover (1).
4. The air conditioner according to one of the preceding claims, characterized in that the section (19, 19') of the spiral housing (6, 6') is designed in one piece with the housing cover (1).
5. The air conditioner according to one of the preceding claims, characterized in that the housing cover (1) has a receptacle (16) for the blower motor mounting (2) and/or a receptacle (22) for the motor regulator (7).
6. The air conditioner according to one of the preceding claims, characterized in that other components of the air conditioner (10) are arranged on the housing cover (1), in particular at least one positioning motor and/or at least one air flap and/or at least one temperature sensor and/or at least one air filter and/or at least one electric cable.

7. The air conditioner according to one of the preceding claims, characterized in that a blower motor (3), two impellers (5, 5'), a blower motor mounting (2) and a motor regulator (7) are arranged on the housing cover (1).